
□ **Membrane contamination prevention in separation-concentration process**

L20 ANSWER 11 OF 121 HCA COPYRIGHT 2002 ACS . FAMILY 5

AN 95:135038 HCA

PA Daicel Chemical Industries, Ltd., Japan

SO Jpn. Tokkyo Koho, 5 pp.

CODEN: JAXXAD

DT **Patent**

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 56015924	B4	19810413	JP 1974-15703	19740207

AB In sepn.-concn. processes using reverse-osmosis or ultrafiltration **membranes**, the liq. to be treated is fed as a **gas-liq. mixed flow** to the surface of the **membrane**. This **decreases** the **membrane contamination**. Thus, aq. 0.5% albumin soln. was passed through a reverse osmosis **membrane** app. under gas blowing. The aq. soln. feed rate and the gas blowing were controlled at 450 and 15 L/h, resp. The water permeation rate through the **membrane** was 1.05 and 0.8 m3/m2 day initially and after 4 h, resp.
